

# METHOD FOR ESTABLISHING A GRAY CODE AND RELATED COUNTER CIRCUIT

## Abstract

A method for establishing a Gray code count sequence having  $N$  code words includes determining a first bit switch sequence having  $2^M - 1$  elements and a bit switching sequence property according to a first Gray code count sequence having  $2^M$  code words and where  $2^M$  is larger than  $N$ . A second bit switch sequence is determined having  $N - 1$  elements and the bit switching sequence property according to the first bit switch sequence. A second Gray code count sequence is determined according to the second bit switch sequence.